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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/828,311	04/21/2004	Ching-Hsi Wu	OP-093000197	4221

7590 09/01/2005

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EXAMINER

PAPE, ZACHARY

ART UNIT PAPER NUMBER

2835

DATE MAILED: 09/01/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/828,311

Applicant(s)

WU, CHING-HSI

Examiner

Zachary M. Pape

Art Unit

2835

– The MAILING DATE of this communication appears on the cover sheet with the correspondence address –
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 21 April 2004.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-4 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-4 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 21 April 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-4 are rejected under 35 U.S.C. 103(a) as being unpatentable over DiStefano et al. (US 6,903,930) in view of Sasaki (US 6,637,505).

With respect to claim 1, DiStefano et al. teaches a heat dissipating structure for a computer host, comprising: a mother board (400) having a CPU (Column 3, Lines 30-34), plural electrical components mounted thereon (455, 445, etc.); a heat dissipating device (200) mounted on the CPU for dissipating heat. DiStefano et al. fails to teach a casing having a front side, a back side, a left side, and a right side wherein the left side and the right side respectively have a left side board and a right side board for opening thereon plural ventilative openings corresponding to each other, and the plural ventilative openings on respective left side board and right side board are opened at positions facing the heat dissipating device. Sasaki teaches a casing (1) having a front side, a back side, a left side, and a right side wherein the left side and the right side respectively have a left side board and a right side board for opening thereon plural ventilative openings (2, 9) corresponding to each other, and the plural ventilative openings on respective left side board and right side board are opened at positions facing a heat dissipating device (6 – as illustrated in Fig 1). It would have been obvious

to one of ordinary skill in the cooling art at the time the invention was made to combine the casing of Sasaki with the heat-dissipating device of DiStefano et al. to provide a means of protecting (housing) the heat dissipating device, motherboard, CPU, and other plural electrical components from external debris (dust, liquid moisture, etc.). Protecting the components from debris will increase the life of the components and reduce malfunctions.

With respect to claim 2, DiStefano et al. further teaches that the heat dissipating device comprises a first heat dissipating fin module (120) and a second heat dissipating fin module (110) which are adjacent to each other (As illustrated in Fig 4).

With respect to claim 3, DiStefano et al. further teaches that the two outside surfaces of the first heat dissipating fin module and the second heat dissipating fin module have a first heat dissipating fan (415) and a second heat dissipating fan (410) mounted thereon respectively (As illustrated in Fig 4).

With respect to claim 4, DiStefano et al. further teaches that the first heat dissipating fan (415) and the second heat-dissipating fan (410) are rotated at the same direction (As evidenced by the arrows in Fig 4 near each heat dissipating fan).

Conclusion

2. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

US 6,043,980; US 6,394,175; US 6,778,392; US 6,826,047; US 6,882,532; US 6,909,608; US 2004/0188063; US 6,712,129; US 5,959,837; US 6,920,045 all further

teach multiple heat sink cooling of components. US 2004/0057209 further teaches the conventionality of cases for components with ventilation holes.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Zachary M. Pape whose telephone number is 571-272-2201. The examiner can normally be reached on Mon. - Thur. & every other Fri. (8:00am - 5:00pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lynn Feild can be reached at 571-272-2092. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

ZMP

A handwritten signature in black ink, appearing to read 'A. Vortman', with a long horizontal stroke extending to the right.

**ANATOLY VORTMAN
PRIMARY EXAMINER**